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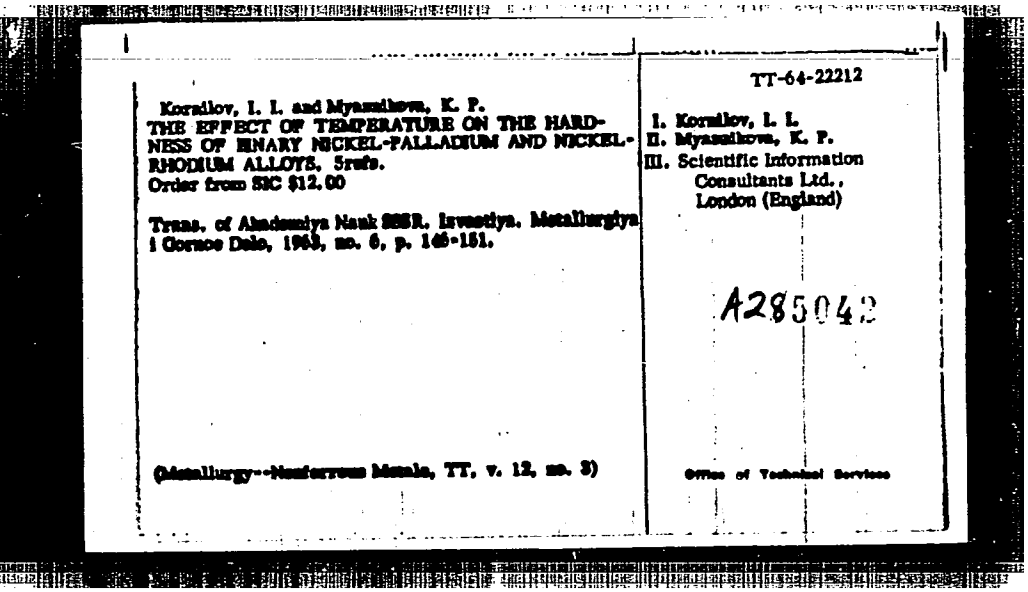

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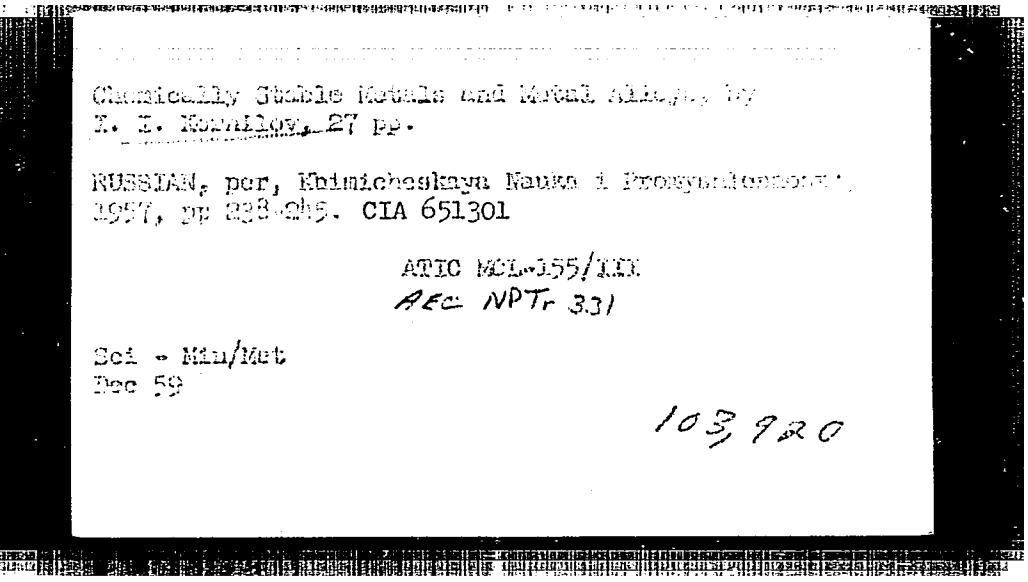

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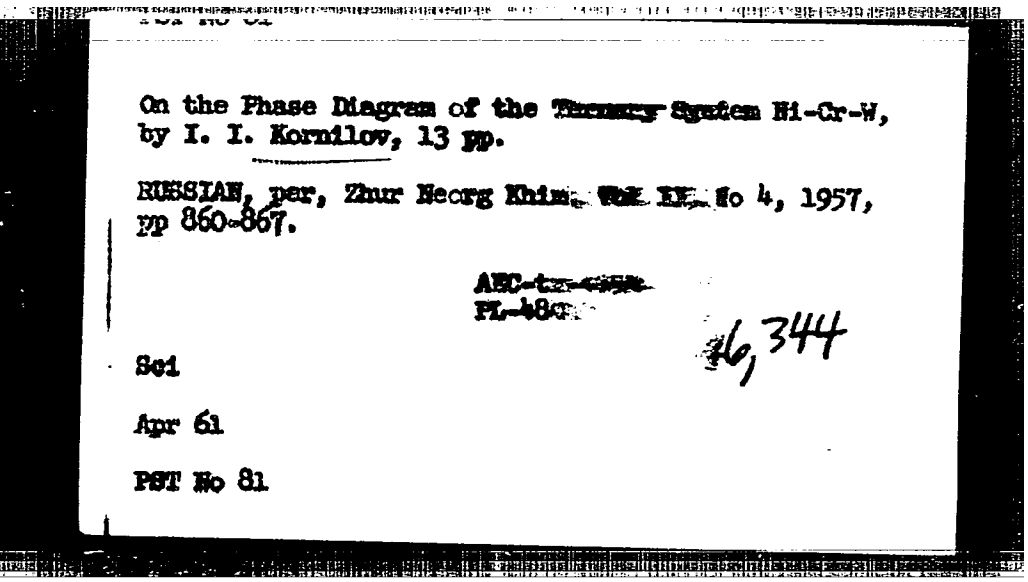

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Kornilov, I. I., Ozhimkova, O. V., and Pyrakhina, L. I.
CORRELATION BETWEEN COMPOSITION, TEMPERATURE, AND HEAT RESISTANCE OF NICKEL-CHROMIUM-TUNGSTEN-TITANIUM-ALUMINUM ALLOYS. 6 Mar 61, 2p. AID rept. 61-25; AD-254 394. Order from OTS or SLA $1.10 61-19627

Abstract trans. of Akademiya Nauk SSSR. Otdeleniye Tekhnicheskikh Nauk. Izvestiya: Metallurgiya i Toplivo, 1960, no. 5, p. 137-141.

DESCRIPTORS: *Nickel alloys, *Chromium alloys, *Tungsten alloys, *Titanium alloys, *Aluminum alloys, Heat resistant alloys

The alloy studied was of constant Cr, W, and Ti content (not specified) and varying aluminum and (inversely) nickel content (0 to 16%). The solubility of aluminum in nickel-base solid solution was found to decrease with decreasing temperature. At 1200°C solubility was 5.5%; at 1100°C, 4.2%; at 1000°C, 3%; and (Metallurgy, TT, v. 6, no. 4) (over)

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Sci-Min, Metal, Chem
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